

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 10/29/2020 09:12 AM
Cytometer Baseline: 02/04/2020 09:45 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124515	-1	3.46	124690	3.54
Blue	F	SSC	125000	124364	-1	2.46	125154	2.51
Blue	E	FITC	15892	15610	-2	3.01	339	21.35
Blue	D	PE	29999	29525	-2	2.24	642	15.15
Blue	B	PerCP-Cy5-5	43732	43128	-2	3.95	1154	21.51
Blue	A	PE-Cy7	30845	30690	-1	6.60	573	44.01
Red	C	APC	46112	44801	-3	2.54	1580	12.22
Red	A	APC-Cy7	30458	29772	-3	2.44	789	11.95
Violet	B	V450	7918	7696	-3	4.03	437	12.73
Violet	A	V500	32171	30957	-4	3.76	724	10.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17058	19.73	657	36	N/A	N/A	Pass
Blue	F	SSC	57140	1.97	587	28	N/A	N/A	Pass
Blue	E	FITC	61	67.39	556	13	0.0173	127	Pass
Blue	D	PE	135	51.97	562	14	0.1639	316	Pass
Blue	B	PerCP-Cy5-5	210	53.02	669	13	0.0081	60	Pass
Blue	A	PE-Cy7	107	111.68	715	17	0.0097	25	Pass
Red	C	APC	380	25.25	587	3	0.0241	140	Pass
Red	A	APC-Cy7	173	28.24	559	3	0.0055	710	Pass
Violet	B	V450	66	59.30	462	4	0.0560	2218	Pass
Violet	A	V500	108	31.87	477	3	0.0219	456	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.19	-32.69	1.02
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.40
Red	16.42	13.60 - 20.40	N/A	N/A	30.22	30.53	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.73

Threshold

Threshold (FSC): 9702

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments